

**INTERNATIONAL SEARCH REPORT**

International Application No PCT/EP 03/13162
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>
IPC 7    B01J19/12    B01J8/38    B01J8/36

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7    B01J    H05B    F26B    C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 528 179 A (SMITH FRANKLIN J) 15 September 1970 (1970-09-15)  column 4, line 43 -column 5, line 20 figure 6  US 4 126 945 A (MANSER JOSEF ET AL) 28 November 1978 (1978-11-28)  column 11, line 19 -column 12, line 32 figure 9  US 4 476 098 A (KUBOTA TAKESHI ET AL) 9 October 1984 (1984-10-09) column 4, line 47 - line 61 figures 5,6  -/-	1,3,4,6, 9,10,13, 14
X		1,3,4,6, 9,10,13, 14
A		1,7,13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

27 April 2004

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<b>C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category *</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
A	WO 98/08989 A (EMR MICROWAVE TECHNOLOGY CORP) 5 March 1998 (1998-03-05) page 6, paragraph 1 -page 7, paragraph 2 figure 1 -----	1,10,13

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 03/13162

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 3528179	A	15-09-1970	NONE		
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